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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/693,583	10/23/2003	Viswanath Krishnamurthy	843161-317	1089

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09/19/2005

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EXAMINER

FRANKLIN, RICHARD B

ART UNIT

PAPER NUMBER

2182

DATE MAILED: 09/19/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/693,583	KRISHNAMURTHY ET AL.	
	Examiner	Art Unit	
	Richard Franklin	2182	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 23 October 2003.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☒ Claim(s) 3 and 20 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 23 October 2003 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 7/30/2004.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

BT

DETAILED ACTION

1. Claims 1 – 20 have been examined.

Drawings

2. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they include the following reference character(s) not mentioned in the description: 770 (Fig 8), 780 (Fig 8). Corrected drawing sheets in compliance with 37 CFR 1.121(d), or amendment to the specification to add the reference character(s) in the description in compliance with 37 CFR 1.121(b) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Specification

Applicant is reminded of the proper language and format for an abstract of the disclosure.

The abstract should be in narrative form and generally limited to a single paragraph on a separate sheet within the range of 50 to 150 words. It is important that the abstract not exceed 150 words in length since the space provided for the abstract

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on the computer tape used by the printer is limited. The form and legal phraseology often used in patent claims, such as "means" and "said," should be avoided. The abstract should describe the disclosure sufficiently to assist readers in deciding whether there is a need for consulting the full patent text for details.

The language should be clear and concise and should not repeat information given in the title. It should avoid using phrases which can be implied, such as, "The disclosure concerns," "The disclosure defined by this invention," "The disclosure describes," etc.

3. The abstract of the disclosure is objected to because it is longer than 150 words.

Correction is required. See MPEP § 608.01(b).

4. The disclosure is objected to because of the following informalities:

- "Computer System 710" is referred to as "Computer System 10" (Page 8 Line 24).

Appropriate correction is required.

Claim Objections

5. Claims 3 and 20 are objected to under 37 CFR 1.75(c), as being of improper dependent form for failing to further limit the subject matter of a previous claim.

Applicant is required to cancel the claim(s), or amend the claim(s) to place the claim(s) in proper dependent form, or rewrite the claim(s) in independent form.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

6. Claim 1 is rejected under 35 U.S.C. 112, second paragraph, as being incomplete for omitting essential structural cooperative relationships of elements, such omission amounting to a gap between the necessary structural connections. See MPEP § 2172.01. The omitted structural cooperative relationships are: The function the non-volatile memory serves when coupled to the central resource. The examiner interprets the limitation of Claim 8 as included into the limitations of Claim 1.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

7. Claims 1 – 9, and 14 – 15 are rejected under 35 U.S.C. 102(e) as being anticipated by Cyr et al. US Patent Application Publication No. 2003/0177211 A1.

As per Claim 1, Cyr et al. teach a circuit board forming a backplane (Figure 3 Item 104, Paragraph [0029] Lines 5 – 9), a field replaceable unit (FRU) slot located on said backplane (Figure 3 Items 106 – 112, Paragraph [0029] Lines 5 – 9), a bus (Figure 2 Item 58, Paragraph [0022] Lines 7 – 10), a central resource coupled with the FRU slot via the bus (Figure 2 Items 52 – 56), a non-volatile memory coupled to said central resource (Figure 2 Item 92, Paragraph [0025] Lines 19 – 25), wherein the central

resource generates a client-ID (Figure 4 Item 200, Paragraph [0031]), and wherein the client-ID is associated with the FRU slot (Figure 4 Item 200, Paragraph [0031]).

As per Claim 2, Cyr et al. teach the system as described above per Claim 1. Cyr et al. also teach that the FRU slot is a Compact Peripheral Component Interconnect (CPCI or Compact PCI) slot (Paragraph [0028] Lines 6 – 11).

As per Claim 3, Cyr et al. teach the system as described above per Claim 1. Cyr et al. also teach that the client-ID is associated with the FRU slot (Paragraph [0022] Lines 10 – 24).

As per Claim 4, Cyr et al. teach the system as described above per Claim 1. Cyr et al. also teach that the client-ID comprises one of a serial number, part number, and geographical address of the FRU slot (Figure 4 Item 200, Paragraph [0031]).

As per Claim 5, Cyr et al. teach the system as described above per Claim 1. Cyr et al. also teach that the client-ID is a unique identifier (Paragraph [0022] Lines 12 – 14).

As per Claim 6, Cyr et al. teach the system as described above per Claim 1. Cyr et al. also teach that the client-ID comprises a client-id that is utilized by an address protocol for assigning dynamic Internet Protocol (IP) addresses (Paragraph [0024]).

As per Claim 7, Cyr et al. teach the system as described above per Claim 6. Cyr et al. also teach that the address protocol comprises a Dynamic Host Configuration Protocol (DHCP) (Paragraph [0024]).

As per Claim 8, Cyr et al. teach the system as described above per Claim 1. Cyr et al. also teach that an FRU is held by the FRU slots (Paragraph [0029] Lines 10 – 13).

As per Claim 9, Cyr et al. teach the system as described above per Claim 1. Cyr et al. also teach that the client-ID is stored in the non-volatile memory (Figure 2 Item 92, Paragraph [0025] Lines 19 – 32).

As per Claim 14, Cyr et al. teach the system as described above per Claim 1. Cyr et al. also teach a second FRU slot located on the backplane and wherein the central resource generates a second client-ID (Figure 2, Paragraph [0022] Lines 10 – 24).

As per Claim 15, Cyr et al. teach the system as described above per Claim 14. Cyr et al. also teach that the client-ID is uniquely generated by the central resource for the FRU slot and the second client-ID is uniquely generated by the central resource for the second FRU slot (Paragraph [0022] Lines 10 – 24).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

8. Claims 10 – 13, and 16 – 20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Cyr et al. US Patent Application Publication No. 2003/0177211 A1 in view of Saeki et al. US Patent No. 5,581,787.

As per Claim 16, Cyr et al. teach a system for client-ID generation on a computer network system comprising generating a client-ID via a central resource (Cyr; Figure 4

Item 200, Paragraph [0031]), associating the client-ID with a field replaceable unit (FRU) slot (Cyr; Figure 4 Item 200, Paragraph [0031]), and storing the associated client-ID in a non-volatile memory (Cyr; Figure 2 Item 92, Paragraph [0025] Lines 19 – 32). As per Claim 17, Cyr et al. also teach that an FRU is inserted into the FRU slots (Cyr; Paragraph [0029] Lines 10 – 13). As per Claim 19, Cyr et al. also teach that replacing the FRU with a new FRU (Cyr; Paragraph [0025] Lines 8 – 19).

As per Claim 16, Cyr et al. does not teach providing the stored client-ID to an FRU via an interface and utilizing the client-ID by the FRU. As per Claim 10, 13, and 19, Cyr et al. do not teach retrieving and making the client-ID available to the new FRU and downloading the client-ID by the new FRU.

Saeki et al. teach a system similar to Cyr et al. in that device ports are given client-IDs (slot ID). Saeki et al. teach that the client-ID is provided to a FRU via an interface (Saeki; Col 4 Lines 58 – 67), and that the FRU utilizes the client-ID (Saeki; Col 5 Lines 11 – 14).

As per Claim 11, Intelligent Platform Management Interface (IPMI) is well known in the art and thereby making use of this type of protocol obvious to one of ordinary skill.

As per Claim 12, Dynamic Host Configuration Protocol (DHCP) is well known in the art and thereby making use of this type of protocol obvious to one of ordinary skill.

As per Claims 10, 13, and 19, it would have been obvious to repeat the process of providing the client-ID to the FRU of Saeki et al. in the system of Cyr et al.

As per Claim 16, it would have been obvious to one of ordinary skill in the art at the time of invention to provide the client-ID to a FRU and use the client-ID in the FRU

in the system of Cyr et al. as described per Claims 16 because it leads to advantages of mountability of the same type of adapters, reduction of the address space for allocation to adapters, and facilitates determination of the system configuration (Saeki; Col 7 Lines 16 – 20).

As per Claim 18, Dynamic Host Configuration Protocol (DHCP) is well known in the art and thereby making use of this type of protocol obvious to one of ordinary skill.

As per Claim 20, Cyr et al. teach associating the client-ID with a FRU slot (Cyr; Figure 4 Item 200, Paragraph [0031]) as described per Claim 16.

Conclusion

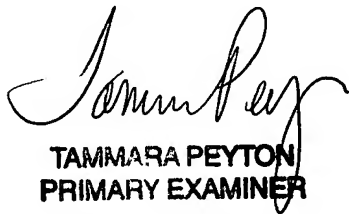
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Richard Franklin whose telephone number is (571) 272-0669. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dov Popovici can be reached on (571) 272-4083. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Richard Franklin
Patent Examiner
Art Unit 2182



TAMMARA PEYTON
PRIMARY EXAMINER